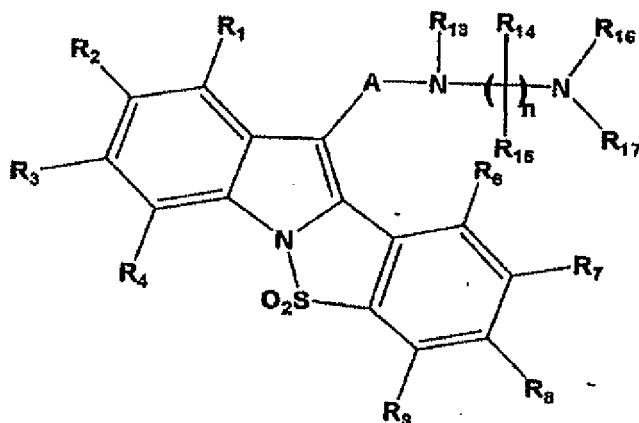


AMENDMENTS TO CLAIMS

This listing of claims will replace all prior version and listings of claims in this application:

1. (Previously Presented) A compound of the Formula (I),



Formula (I)

wherein A may be either -CR₁₁R₁₂-, -C=O or -SO₂-;

R₁, R₂, R₃, R₄, R₆, R₇, R₈ and R₉, R₁₁, R₁₂, R₁₃, R₁₄ and R₁₅ may be same or different and each independently represent hydrogen, halogen, oxo, thio, perhaloalkyl, perhaloalkoxy, hydroxy, amino, nitro, cyano, formyl, amidino, guanidino, substituted or unsubstituted groups selected from linear or branched (C₁-C₁₂)alkyl, (C₂-C₁₂)alkenyl, (C₂-C₁₂)alkynyl, (C₃-C₇)cycloalkyl, (C₃-C₇)cycloalkenyl, bicycloalkyl, bicycloalkenyl, (C₁-C₁₂)alkoxy, cyclo(C₃-C₇)alkoxy, aryl, aryloxy, aralkyl, aralkoxy, heterocyclyl, heteroaryl, heterocyclylalkyl, heteroaralkyl, heteroaryloxy, heteroaralkoxy, heterocyclylalkoxy, acyl, acyloxy, acylamino, monoalkylamino, dialkylamino, arylamino, diarylamino, aralkylamino, alkoxycarbonyl, aryloxy carbonyl, aralkoxycarbonyl, heterocyclylalkoxycarbonyl, heteroaryloxy carbonyl, hydroxyalkyl, aminoalkyl, monoalkylaminoalkyl, dialkylaminoalkyl, alkoxyalkyl, aryloxyalkyl, aralkoxyalkyl, alkylthio, thioalkyl, alkoxycarbonylamino, aryloxy carbonylamino, aralkyloxy carbonylamino, aminocarbonylamino, alkylaminocarbonylamino, dialkylaminocarbonylamino, alkylamidino, alkylguanidino, dialkylguanidino, hydrazino, hydroxylamino, carboxylic acid and its derivatives, sulfonic acids and its derivatives, phosphoric acid and its derivatives; or

the adjacent groups like R₁ and R₂ or R₂ and R₃ or R₃ and R₄ or R₆ and R₇ or R₇ and R₈ or R₈ and R₉ together with carbon atoms to which they are attached may form a five or a six membered ring, optionally containing one or more double bonds and optionally containing one

or more heteroatoms selected from "Oxygen", "Nitrogen", "Sulfur" or "Selenium" and combinations of double bond and heteroatoms; or

optionally R₁₁ and R₁₂ together with the carbon atoms to which they are attached may form a three to six membered ring, optionally containing one or more double bonds and optionally containing one or more heteroatoms selected from "Oxygen", "Nitrogen", "Sulfur" or "Selenium" and combinations of double bond and heteroatoms; or optionally either R₁₁ or R₁₂ with may form bond with either R₁₆ or R₁₇ to form a 5, 6 or 7-membered heterocyclic ring, which may be further substituted with R₁₄ and R₁₅, and may have either one, two or three double bonds;

R₁₃, R₁₆ and R₁₇ may be same or different and each independently represents Hydrogen, substituted or unsubstituted groups selected from linear or branched (C₁-C₁₂)alkyl, (C₂-C₁₂)alkenyl, (C₂-C₁₂)alkynyl, (C₃-C₇)cycloalkyl, (C₃-C₇)cycloalkenyl, bicycloalkyl, bicycloalkenyl, aryl, aralkyl, heteroaryl, heterocyclalkyl; optionally R₁₃ along with either R₁₆ or R₁₇ and the two nitrogen atoms may form a 5, 6 or 7-membered heterocyclic ring, which may be further substituted with R₁₄ and R₁₆, and may have either one, two or three double bonds; and

"n" is an integer ranging from 1 to 4, wherein the carbon chains which "n" represents may be either linear or branched.

2. (Previously Presented) A compound according to Claim-1 which is selected from:
 - 10-(4-Methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-d- ioxide;
 - 1-Bromo-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;
 - 1-Chloro-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;
 - 2-Bromo-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;
 - 2-Bromo-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide hydrochloride salt;
 - 2-Methoxy-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;
 - 2-Methoxy-12-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-benzo[4,5]pentaleno[1,2-b]naphthalene-5,5-dioxide;
 - 2-Ethoxy-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;

2-Ethoxy-8-methyl-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene 5,5-dioxide;

2-Benzyloxy-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;

2-Cyclopentyloxy-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;

2-Cyclohexyloxy-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;

2-(Furan-2-ylmethoxy)-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;

1,2,3-Trichloro-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;

2,8-Dimethoxy-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;

2-Bromo-8-methoxy-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;

8-Methoxy-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;

8-Methoxy-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide hydrochloride salt;

8-Isopropoxy-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;

2-Bromo-8-methyl-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;

4-Methyl-10-(4-methylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;

(RS) 8-Methyl-10-[1-(4-methylpiperazin-1-yl)ethyl]-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;

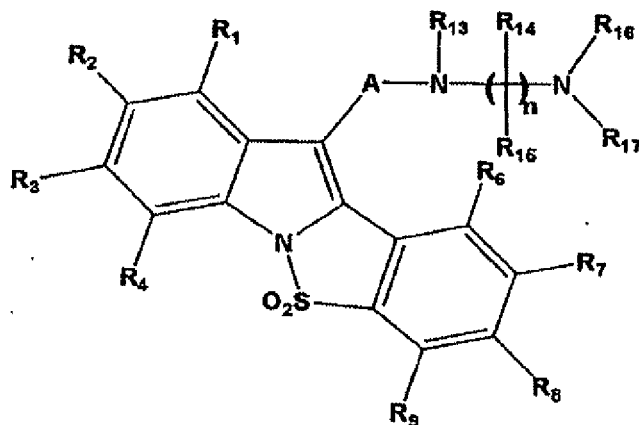
(RS) 2-Methoxy-10-[1-(4-methylpiperazin-1-yl)ethyl]-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;

(RS) 2-Bromo-8-methoxy-10-[1-(4-methylpiperazin-1-yl)ethyl]-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;

(RS) 1-[4-(8-Methoxy-5,5-dioxo-5H-6-thia-4b-aza-indeno[2,1-a]inden-10-ylmethyl)-2-methylpiperazin-1-yl]ethanone;

10-(4-Pyridin-2-yl-piperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;
8-Methoxy-10-(4-pyridin-2-yl-piperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;
2-Isopropoxy-10-(4-benzoylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;
2-(Furan-2-ylmethoxy)-10-(4-benzoylpiperazin-1-ylmethyl)-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;
10-(4-Benzylpiperazin-1-ylmethyl)-8-methyl-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;
10-(4-Benzylpiperazin-1-ylmethyl)-8-methoxy-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;
2-Methoxy-10-piperazin-1-ylmethyl-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;
2-Isopropoxy-10-piperazin-1-ylmethyl-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;
2-(Furan-2-ylmethoxy)-10-piperazin-1-ylmethyl-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;
10-[1,4]Diazepan-1-ylmethyl-2-methoxy-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;
1-[4-(5,5-Dioxo-5H-5,6-thia-4b-aza-indeno[2,1-a]inden-10-ylmethyl)-[1,4]diazepan-1-yl]phenylmethanone;
10-(4-Ethyl-[1,4]diazepan-1-ylmethyl)-2-methoxy-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide; and
10-(4-Isopropyl-[1,4]diazepan-1-ylmethyl)-2-methoxy-5-thia-4b-aza-indeno[2,1-a]indene-5,5-dioxide;
or a stereoisomer, or any suitable combination of above, such as a nitrogen oxide thereof;

3. (Previously Presented) A process for the preparation of a compound of Formula (I),



Formula (I)

wherein A may be either -CR₁₁R₁₂-, -C=O or -SO₂-;

R₁, R₂, R₃, R₄, R₆, R₇, R₈ and R₉, R₁₁, R₁₂, R₁₃, R₁₄ and R₁₅ may be same or different and each independently represent hydrogen, halogen, oxo, thio, perhaloalkyl, perhaloalkoxy, hydroxy, amino, nitro, cyano, formyl, amidino, guanidino, substituted or unsubstituted groups selected from linear or branched (C₁-C₁₂)alkyl, (C₂-C₁₂)alkenyl, (C₂-C₁₂)alkynyl, (C₃-C₇)cycloalkyl, (C₃-C₇)cycloalkenyl, bicycloalkyl, bicycloalkenyl, (C₁-C₁₂)alkoxy, cyclo(C₃-C₇)alkoxy, aryl, aryloxy, aralkyl, aralkoxy, heterocyclyl, heteroaryl, heterocyclalkyl, heteroaralkyl, heteroaryloxy, heteroaralkoxy, heterocyclalkyloxy, acyl, acyloxy, acylamino, monoalkylamino, dialkylamino, arylamino, diarylamino, aralkylamino, alkoxycarbonyl, aryloxy carbonyl, aralkoxy carbonyl, heterocyclalkoxy carbonyl, heteroaryloxy carbonyl, hydroxyalkyl, aminoalkyl, monoalkylaminoalkyl, dialkylaminoalkyl, alkoxyalkyl, aryloxyalkyl, aralkoxyalkyl, alkylthio, thioalkyl, alkoxycarbonylamino, aryloxy carbonylamino, aralkoxy carbonylamino, aminocarbonylamino, alkylaminocarbonylamino, dialkylaminocarbonylamino, alkylamidino, alkylguanidino, dialkylguanidino, hydrazino, hydroxylamino, carboxylic acid and its derivatives, sulfonic acids and its derivatives, phosphoric acid and its derivatives; or

the adjacent groups like R₁ and R₂ or R₂ and R₃ or R₃ and R₄ or R₆ and R₇ or R₇ and R₈ or R₈ and R₉ together with carbon atoms to which they are attached may form a five or a six membered ring, optionally containing one or more double bonds and optionally containing one or more heteroatoms selected from "Oxygen", "Nitrogen", "Sulfur" or "Selenium" and combinations of double bond and heteroatoms; or

optionally R₁₁ and R₁₂ together with the carbon atoms to which they are attached may form a three to six membered ring, optionally containing one or more double bonds and

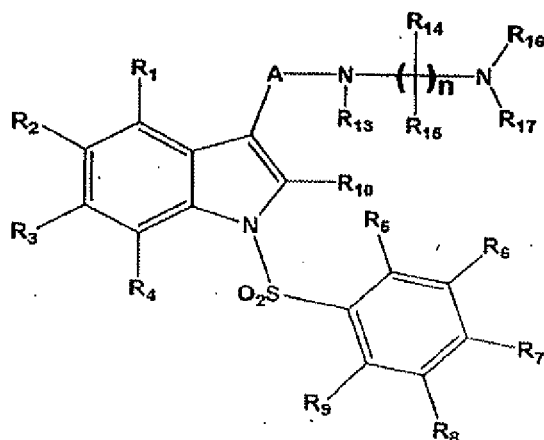
optionally containing one or more heteroatoms selected from "Oxygen", "Nitrogen", "Sulfur" or "Selenium" and combinations of double bond and heteroatoms; or

optionally either R_{11} or R_{12} with may form bond with either R_{16} or R_{17} to form a 5, 6 or 7-membered heterocyclic ring, which may be further substituted with R_{14} and R_{15} , and may have either one, two or three double bonds;

R_{13} , R_{16} and R_{17} may be same or different and each independently represents Hydrogen, substituted or unsubstituted groups selected from linear or branched (C_1-C_{12}) alkyl, (C_2-C_{12}) alkenyl, (C_2-C_{12}) alkynyl, (C_3-C_7) cycloalkyl, (C_3-C_7) cycloalkenyl, bicycloalkyl, bicycloalkenyl, aryl, aralkyl, heteroaryl, heterocyclalkyl;

optionally R_{13} along with either R_{16} or R_{17} and the two nitrogen atoms may form a 5, 6 or 7-membered heterocyclic ring, which may be further substituted with R_{14} and R_{15} , and may have either one, two or three double bonds; and

"n" is an integer ranging from 1 to 4, wherein the carbon chains which "n" represents may be either linear or branched; which comprises reacting a compound of formula (II) given below,



Formula (II)

wherein R_1 , R_2 , R_3 , R_4 , R_6 , R_7 , R_8 , R_9 , R_{13} , R_{14} , R_{15} , R_{16} , R_{17} , A and n are as defined previously, or precursor thereof, while either R_5 or R_{10} is a halogen atom such as bromo, chloro or iodo, and the other is hydrogen; with a Pd(0) or Pd (II) derivative as a catalyst.

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Curerntly Amended) A pharmaceutical composition comprising either of a pharmaceutically acceptable carrier, diluent, or excipients ~~or solvate~~ along with a therapeutically effective amount of a compound according to Claim-1, its stereoisomers, its radioisotopes, its N-oxides, and any suitable combination of the above.

8. (Original) A pharmaceutical composition according to Claim-3, in the form of a tablet, capsule, powder, syrup, injectable, solution or suspension.

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)